ES Warmups Week 36

1. Which volcano is the oldest?

**B**

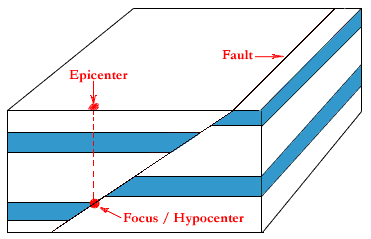
**A**

**C**

**C**

**B**

**A**

1. Which volcano is the youngest?
2. Which arrow is pointing at the epicenter?

**E**

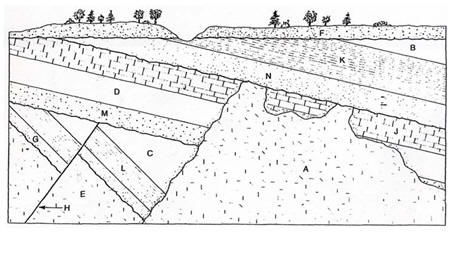
**D**

1. Which arrow is pointing at the focus?
2. Which arrow is pointing at the fault?

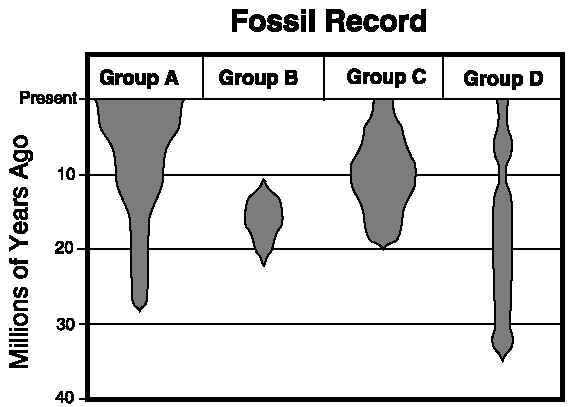
**F**

Listed below are 5 statements. Choose the term listed in parentheses that will correctly complete the sentence.

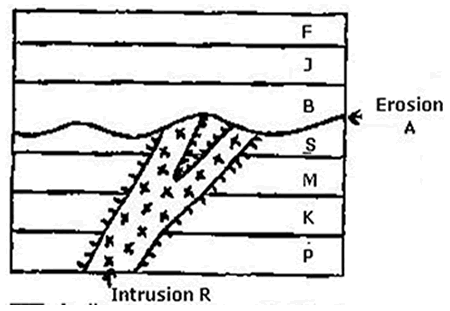
|  |  |
| --- | --- |
| 1. | The principle of (**gravity, superposition**) tells us that the lowest layers of a sedimentary rock formation will be the oldest. |
| 2. | Locations that receive surface waves first are (**closest, farthest**) from the epicenter. |
| 3. | (**Shear, Tension**) forces move land side by side along a fault. |
| 4. | Compression forces (**pull plates apart, push plates together**). |
| 5. | The greater the distance between S waves and P waves, the (**closer, farther**) the seismic station is from the epicenter. |

Identify which layer or formation is the youngest in each set.

1. F, K, B
2. E, H, G
3. C, J, A
4. N, A, D

Identify each statement as true or false using the diagram to the right.

1. Group B is now extinct.
2. Group D has been in existence the longest.
3. Group A is the most recent organism to come into existence.
4. All four groups existed 15 million years ago.
5. Group C was the most numerous organism 20 million years ago.



Place the 9 letters in order from oldest to youngest.